

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

EXFO LFD-202E Live Fiber Detector

Applications - Live fiber traffic detection before maintenance - Continuity and cable labeling checks - Tone location at 270 Hz, 1 kHz, 2 kHz - Relative core power indication on SM fiber - Reroute verification without opening connectors Key Features - Extended core power range 23 to -50 dBm - Core power display with over-range indicator - Non-destructive macrobending detection - Three interchangeable heads included - Hold button for hands-free use - Tone receiver 270 Hz / 1 kHz / 2 kHz - Storage compartment for spare heads Technical Specifications Model: LFD-202E Manufacturer: EXFO Instrument Type: Live Fiber Detector Alias: LFD-200 extended range; LFD202E Optical tone receiver: 270 Hz, 1 kHz, 2 kHz Detection technique: non-destructive macrobending Induced loss: less than 0.



MODEL

Exfo LFD-202E

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LFD-202E

LISTING

<https://aumictechlabs.com/products/lfd-202e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO LFD-202E Live Fiber Detector is a non-intrusive field instrument for detecting live optical signals on single-mode fibers without interrupting active network services. Using safe macrobending detection, it identifies signal presence, type, and direction across the dual-window spectrum while preserving fiber integrity. The compact, battery-powered design delivers core power measurements, signal analysis at multiple modulation frequencies, and directional identification - enabling rapid troubleshooting and network maintenance in the field. Technical

Specifications Power Detection Measurement range: +23 dBm to –50 dBm Accuracy: Typically within 2 dB Signal Analysis Detects presence or absence on single-mode fibers Analyzes continuous and modulated signals at 270 Hz, 1 kHz, and 2 kHz Identifies signal direction Optical Performance Spectral response: 800 nm to 1700 nm Insertion loss: < 0.6 dB at 1310 nm Compatible with 8 µm to 10 µm core diameter fibers, 250 µm coating diameter Display & Indicators Multifunction LED display with core power readout Over-range, traffic, tone, and low battery indicators Power Supply Standard 9V alkaline battery Battery life: Approximately 5000 readings Environmental Operating temperature: –20 °C to +50 °C Storage temperature: –40 °C to +70 °C Relative humidity: 0% to 95% non-condensing Key Features Non-destructive macrobending detection technique Interchangeable fiber heads for jacketed fibers (1.6 mm, 2 mm, 3 mm, 900 µm) and coated/ribbon fibers (250 µm) Locked slider enables hands-free operation Internal compartment for adapter head storage Compact form factor: 236 mm × 30 mm × 32 mm; weight 0.3 kg Compatibility & Integration Dual-window, single-mode fiber operation. Supplied with four jacketed fiber adapter heads and full detector unit.

Features & description

From manufacturer datasheet

Features

- Extended core power range 23 to -50 dBm

Applications

- Live fiber traffic detection before maintenance

LFD202E Characteristics / Specifications

PARAMETER	VALUE
Model	LFD-202E
Manufacturer	EXFO
Instrument Type	Live Fiber Detector
Alias	LFD-200 extended range; LFD202E
Optical tone receiver	270 Hz, 1 kHz, 2 kHz
Detection technique	non-destructive macrobending
Induced loss	less than 0.6 dB at 1310 nm
Spectral response	800 nm to 1650 nm
Minimum fiber slack	1.2 cm (1/2 in)
Core power detection typical	23 dBm to -50 dBm (at 1550 nm)
Over range indicator	yes
Fiber type	dual window singlemode
Core diameter compatibility	8 um to 10 um
Coating diameter	250 um
Coating type	high refractive index acrylate
Included heads	3 mm; 900 um; 250 um/RIB
Size	236 mm x 30 mm x 32 mm
Weight	0.3 kg (0.6 lb)
Battery	standard 9 V alkaline
Battery life	about 5000 readings
Operating temperature	-20 C to 50 C
Storage temperature	-40 C to 60 C
Humidity	0% to 90% non-condensing at 35 C
Form	handheld pen-style detector
Primary use	live SM fiber identification and core power display Notes Specs from EXFO LFD-200 / LFD-202E specification sheet. Confirm optional 2 mm

PARAMETER	VALUE
	/ 1.6 mm heads and exact head set shipped; power range is typical at 1550 nm.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to 60 C
Operating temperature	20 C to 50 C
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Humidity	0% to 90% non-condensing at 35 C
Form	handheld pen-style detector
Primary use	live SM fiber identification and core power display Notes Specs from EXFO LFD-200 / LFD-202E specification sheet. Confirm optional 2 mm / 1.6 mm heads and exact head set shipped; power range is typical at 1550 nm.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Optional heads: 2 mm; 1.6 mm

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Notes

Specs from EXFO LFD-200 / LFD-202E specification sheet. Confirm optional 2 mm / 1.6 mm heads and exact head set shipped; power range is typical at 1550 nm.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.